

21. (new) The device as recited in claim 17 wherein the transmitter and the receiver are each disposed in a holder on the component in such a way that a deformation of the component effects a corresponding position shift of the beam.

22. (new) The device as recited in claim 17 further comprising a reflector within a path of the beam.

23. (new) The device as recited in claim 22 wherein the reflector reflects the beam towards the receiver.

24. (new) The device as recited in claim 22 further comprising a holder and wherein the reflector is connected to the component via the holder.

25. (new) The device as recited in claim 17 wherein the light-sensitive surface of the receiver has a resolution of at least 1000 d.

26. (new) The device as recited in claim 17 wherein the transmitter emits at least one laser beam.

27. (new) The device as recited in claim 17 wherein the transmitter, the receiver and the reflector are disposed in a flexible housing.

28. (new) The device as recited in claim 27 wherein the transmitter and the receiver are disposed on a first side of the housing and the reflector is disposed on an opposite second side of the housing.

29. (new) The device as recited in claim 17 further comprising at least one semi-transparent layer disposed within a path of the beam from the transmitter to the receiver.

30. (new) The device as recited in claim 17 wherein at least one of the transmitter and the receiver has a round shape.

31. (new) The device as recited in claim 17 wherein at least one of the transmitter and the receiver has a rectangular shape.

32. (new) The device as recited in claim 27 wherein the housing has one of a round and a rectangular shape

33. (new) The device as recited in claim 27 wherein the housing is in the form of a drill bore in the component.

34. (new) The device as recited in claim 17 wherein the receiver is associated with an evaluation logic circuit in order to determine the deformation of the component.

35. (new) The device as recited in claim 22 wherein the transmitter is disposed in a first holder and the reflector is disposed at a distance from the transmitter in a second holder, and the transmitter, receiver, and reflector are disposed on the component in a shared housing.

36. (new) A device to detect various states of a component, the device comprising:
a clamping element having at least two contact parts and defining a first bore;
a plate clamped to the component using the clamping element, the plate defining a second bore aligned with the first bore;
a receiver having a light-sensitive surface disposed on the plate;
a transmitter disposed on the plate at a distance from the receiver, the transmitter configured to emit a beam to the receiver.--

IN THE ABSTRACT:

Please replace the abstract of record with the new abstract, which is provided herewith as a separate sheet.